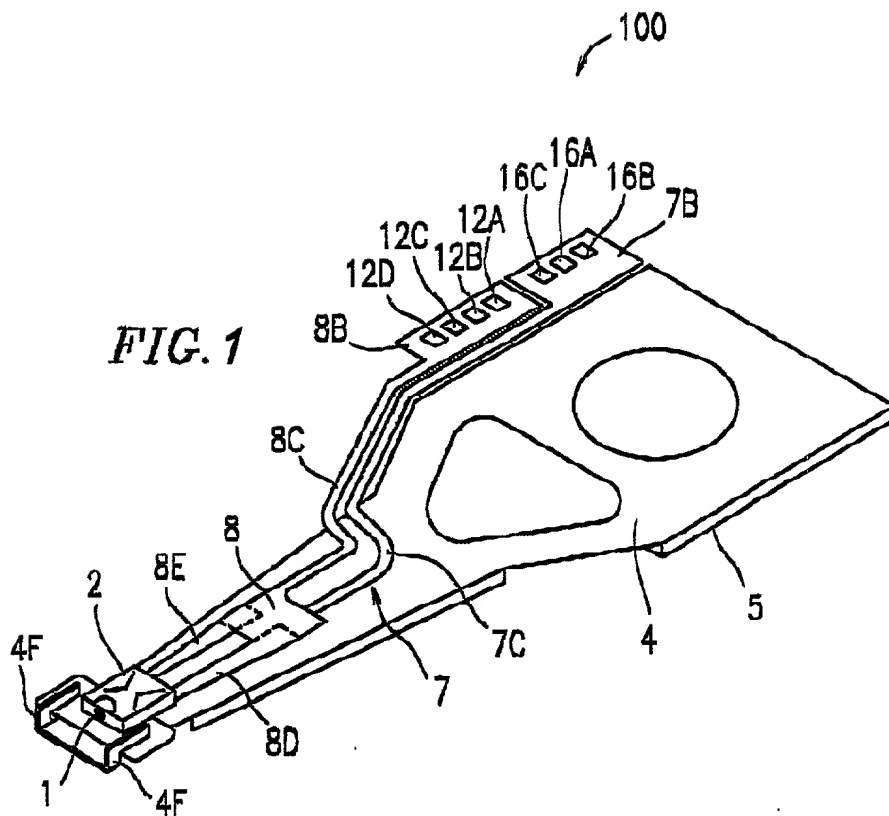


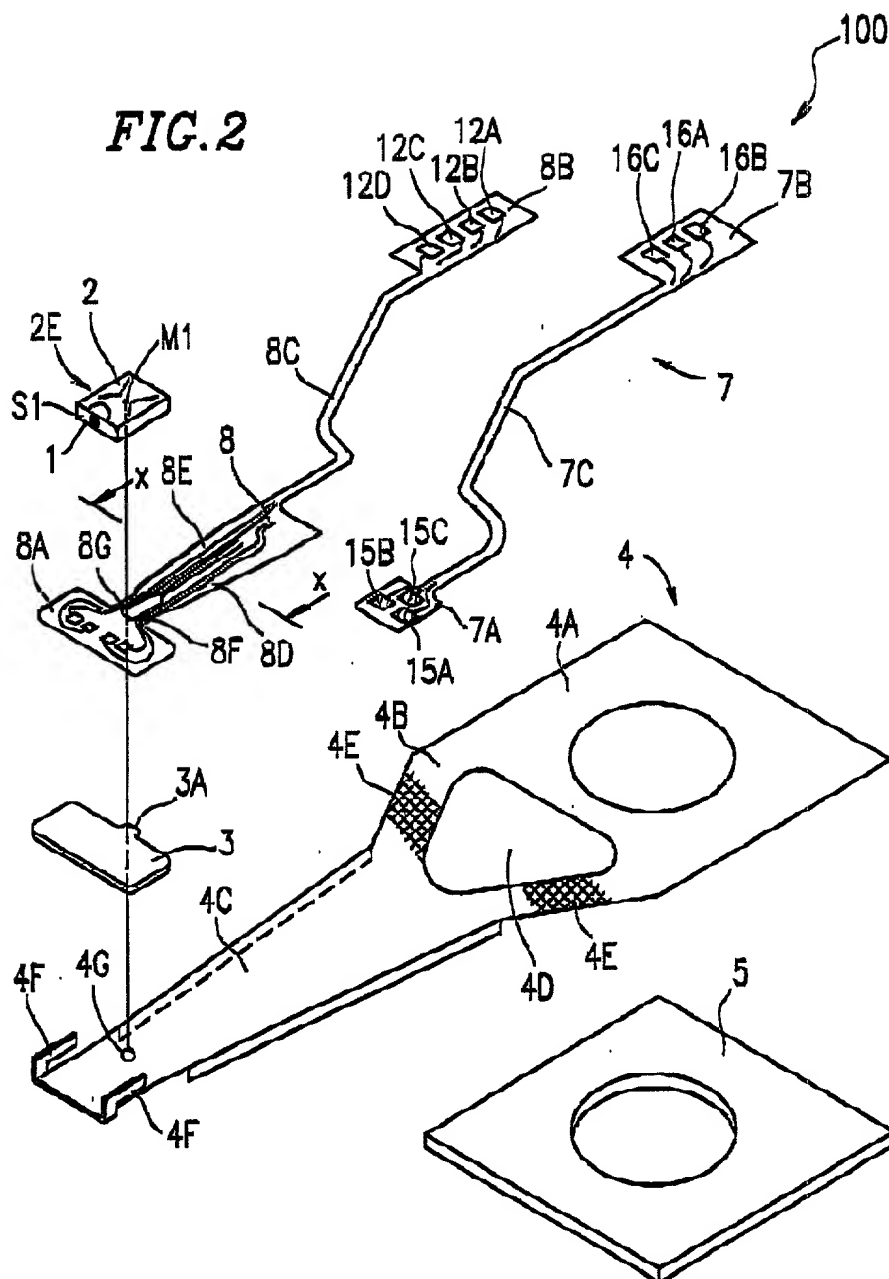
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FIG. 1



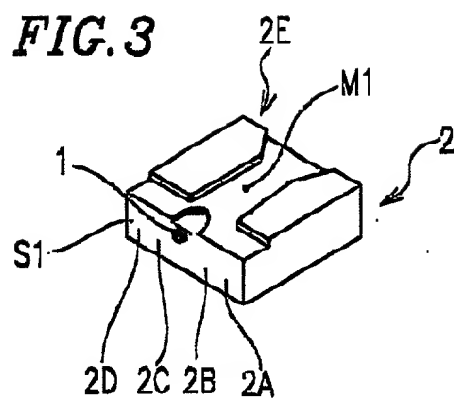
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FIG. 2

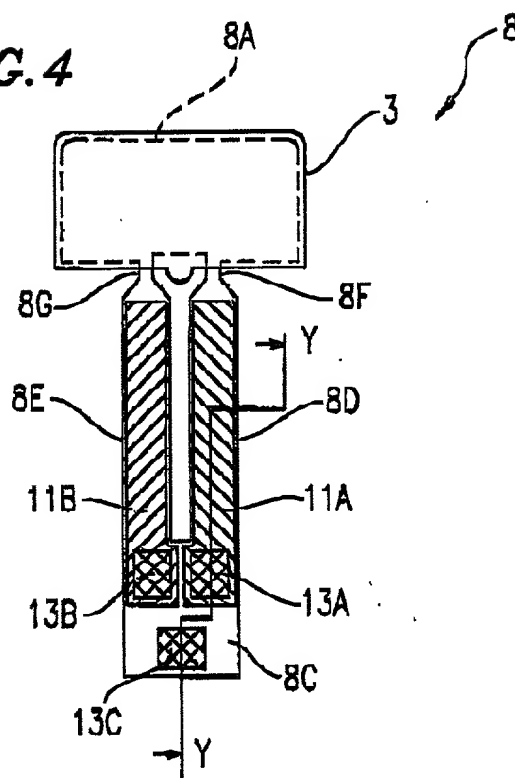


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**FIG. 3**

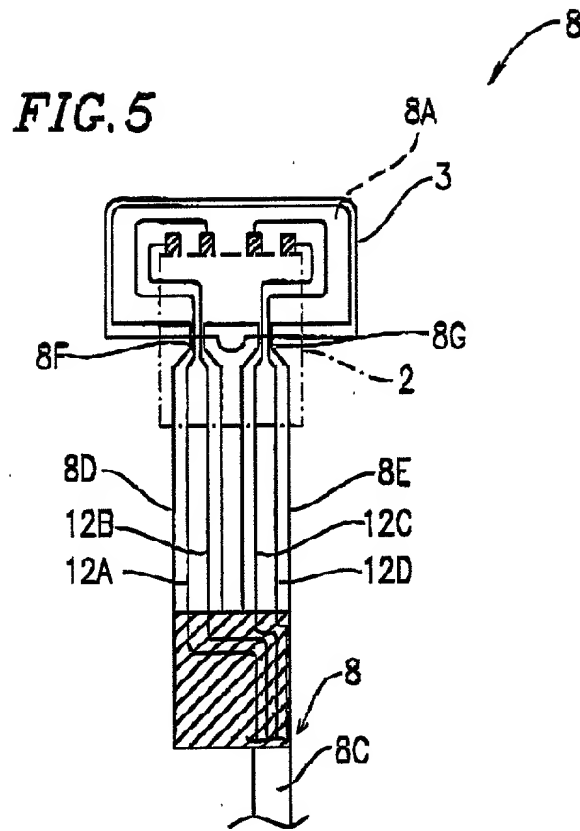


**FIG. 4**

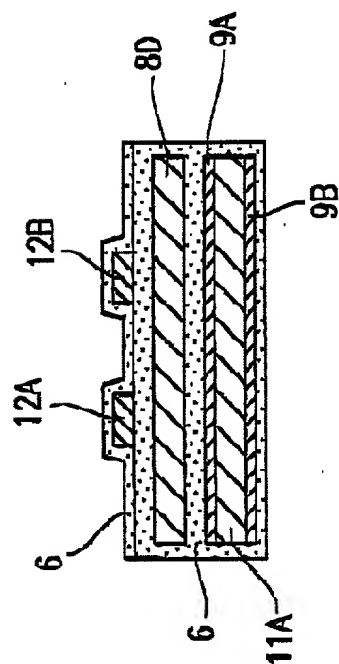
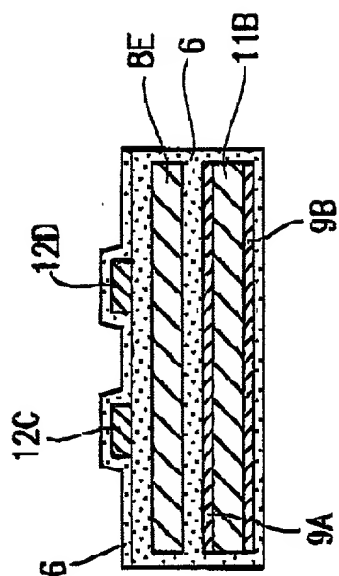


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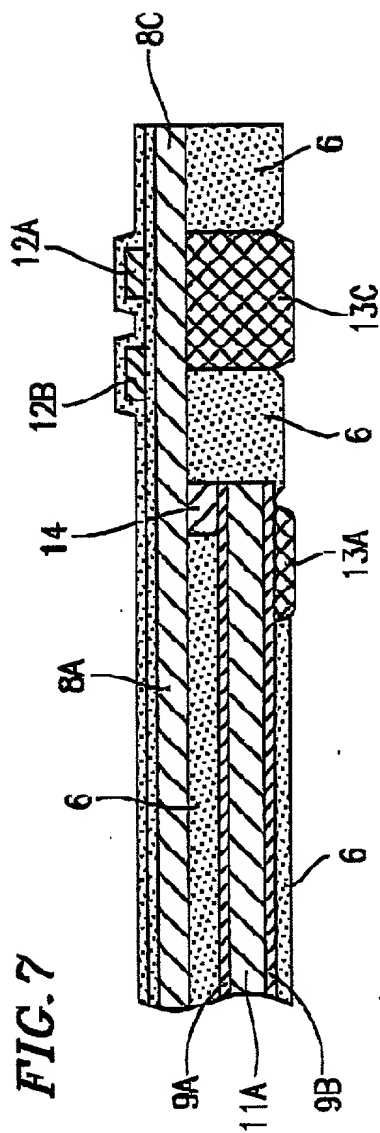
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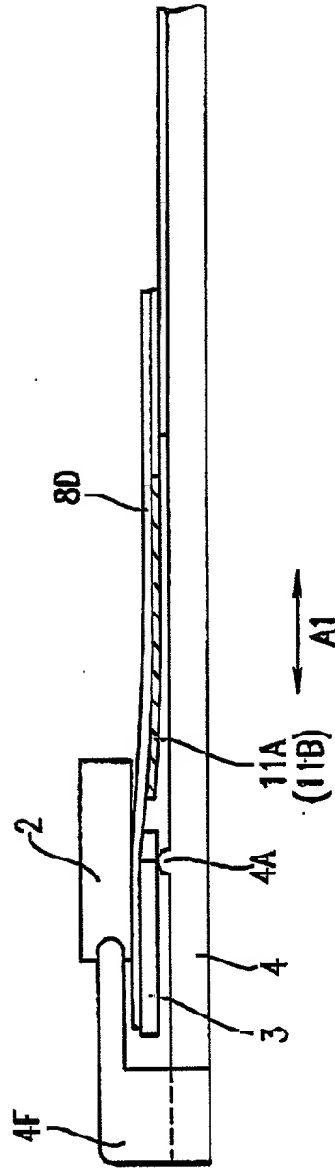


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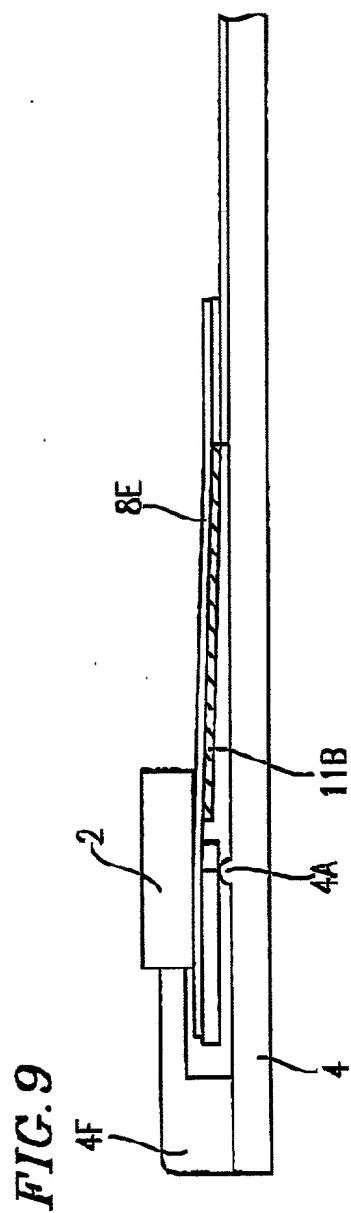


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FIG. 8



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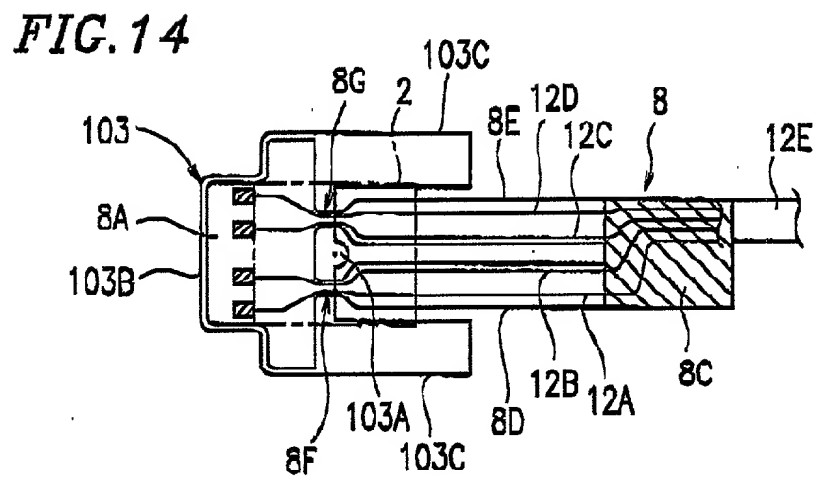
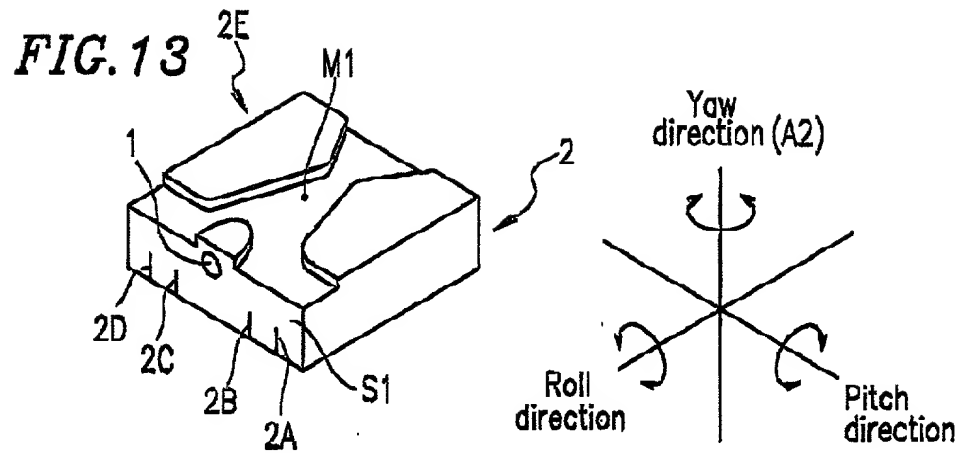








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FIG. 15

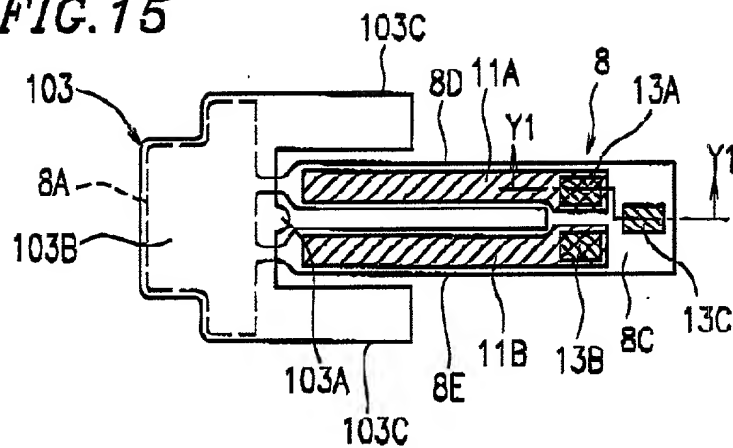
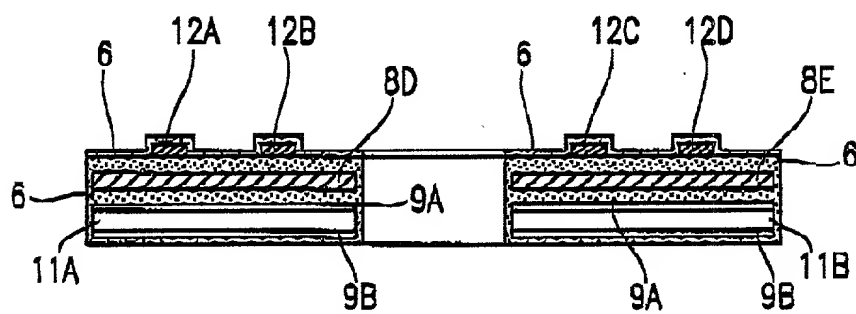


FIG. 16



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FIG. 17

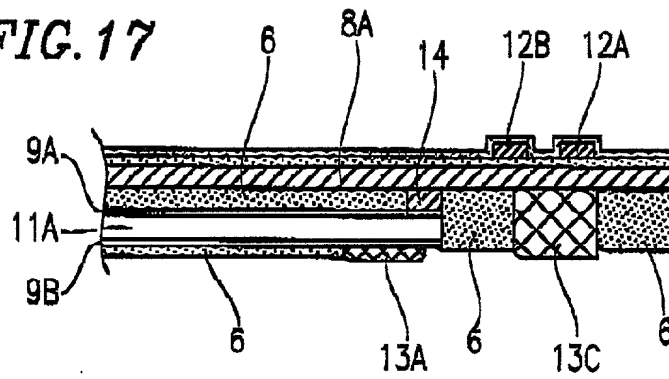


FIG. 18

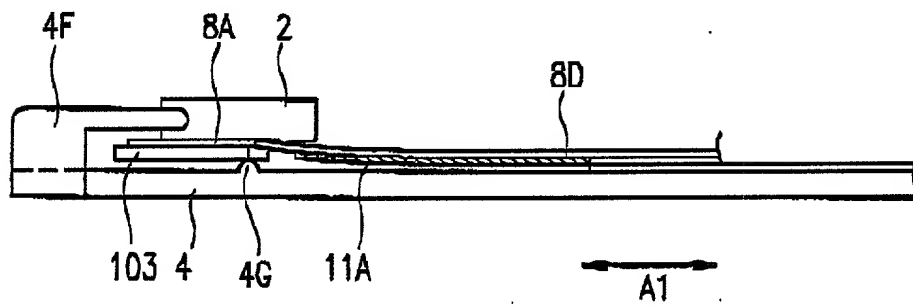
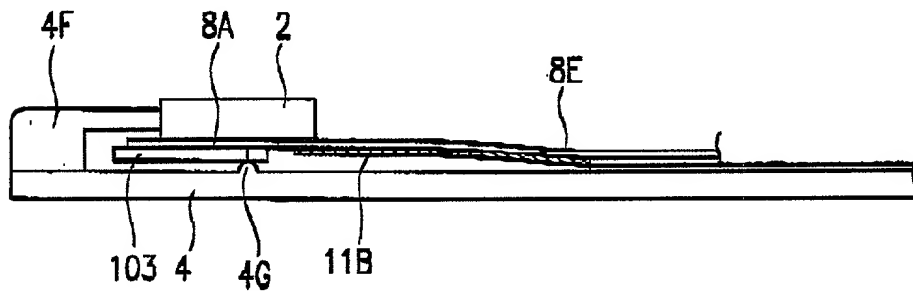


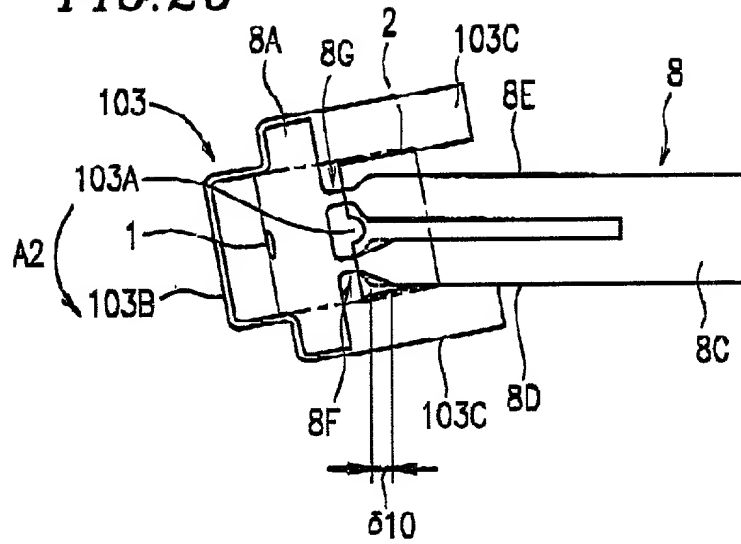
FIG. 19



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**FIG. 20**



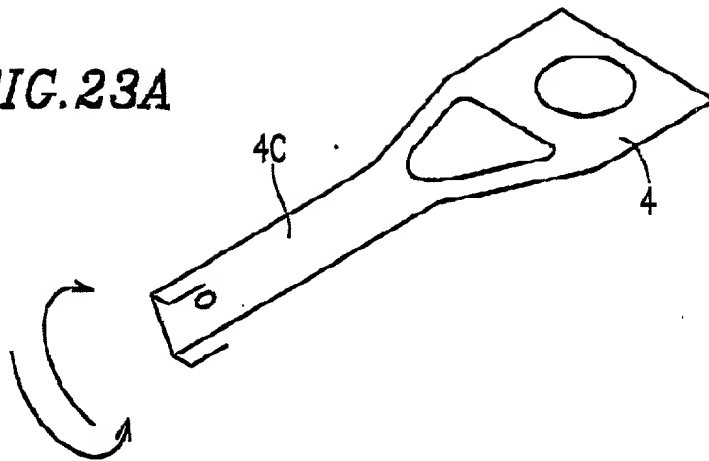
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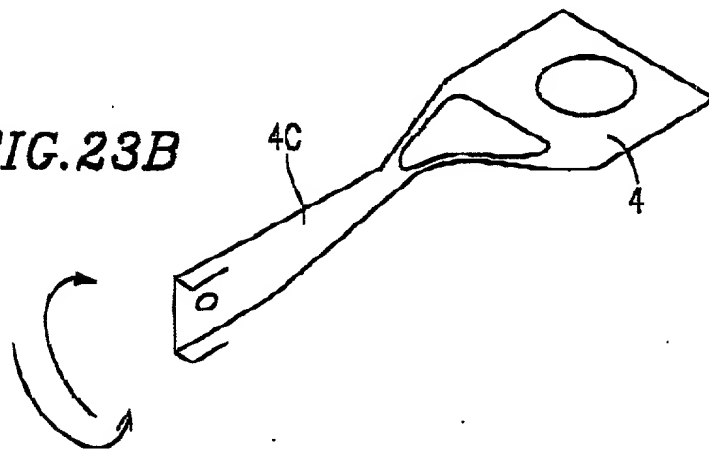


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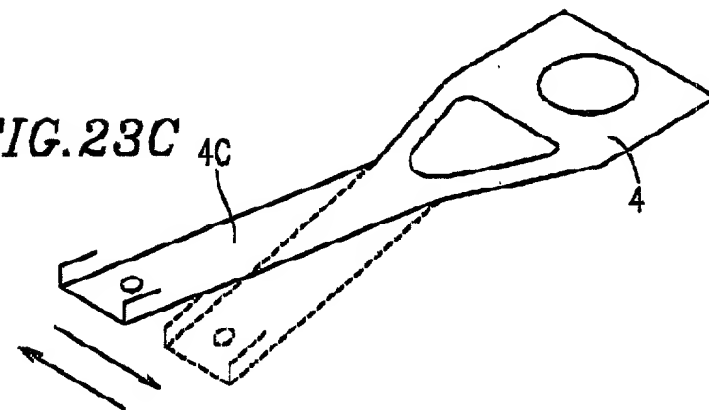
**FIG.23A**



**FIG.23B**

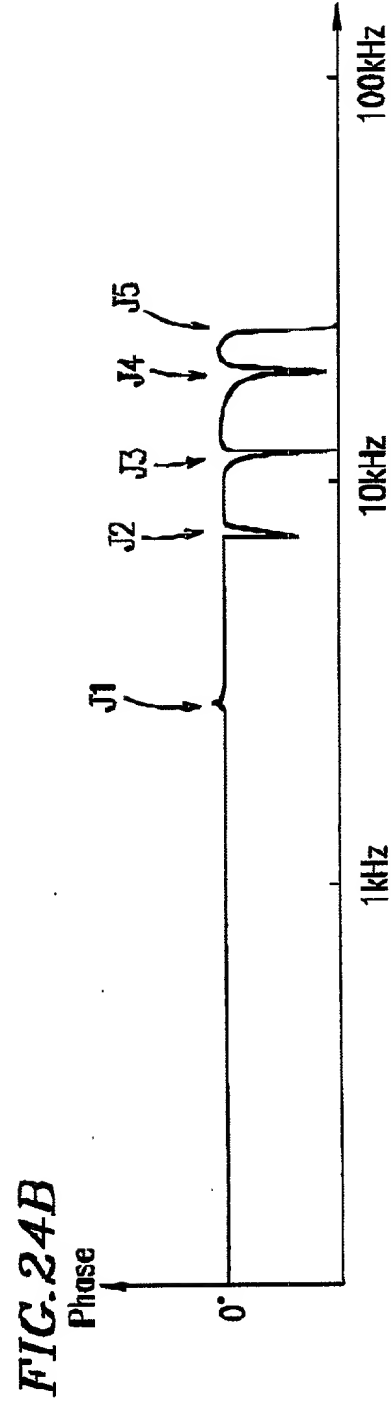
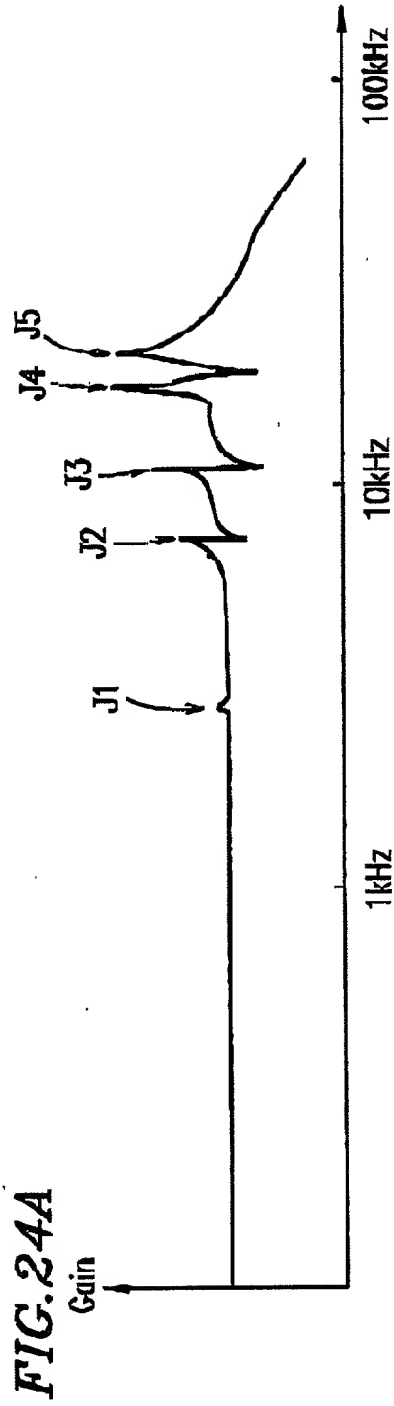


**FIG.23C**



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FIG. 25A

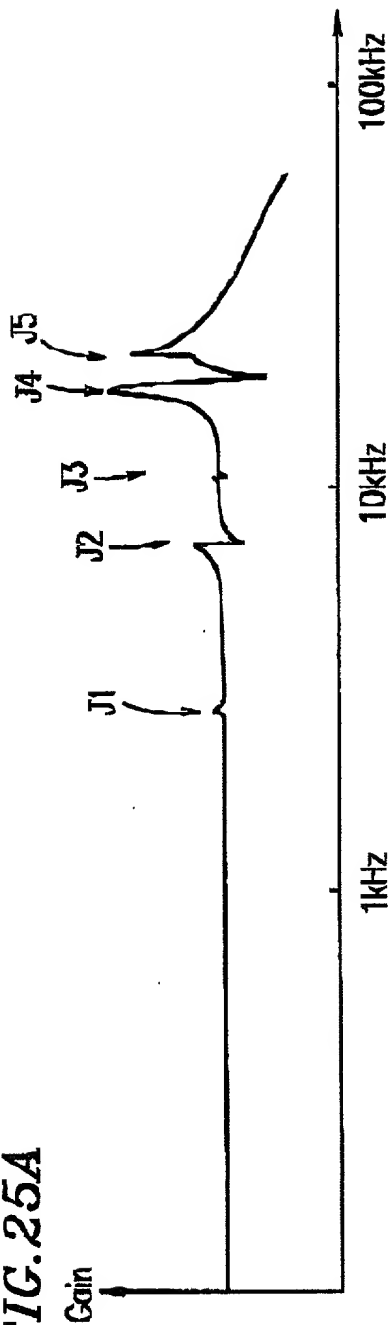
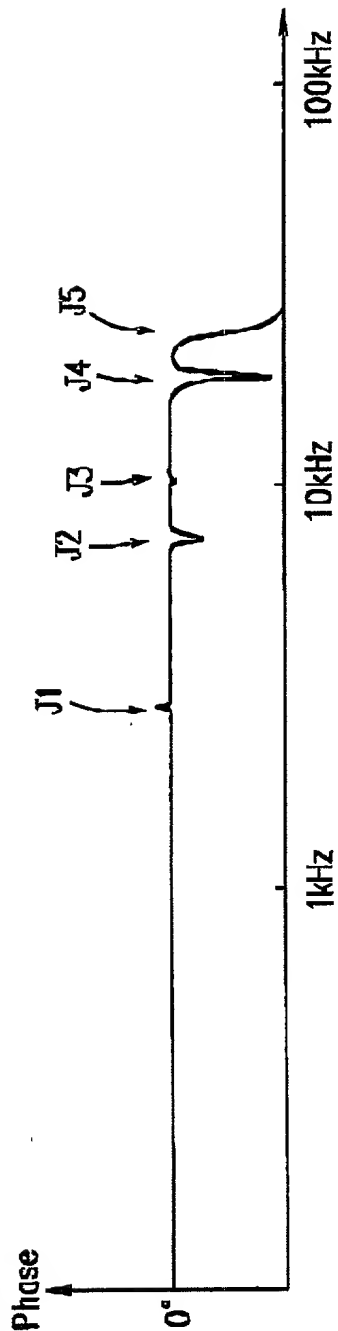
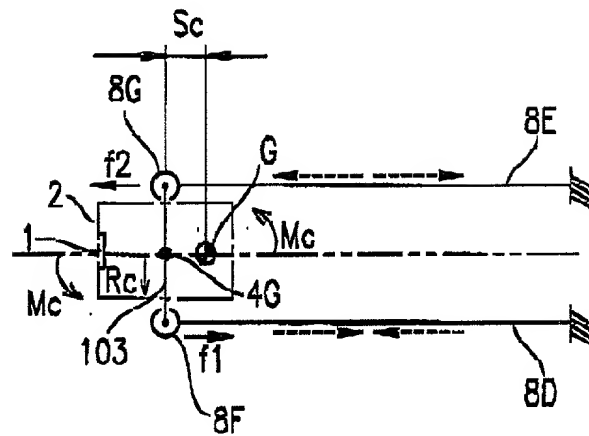


FIG. 25B

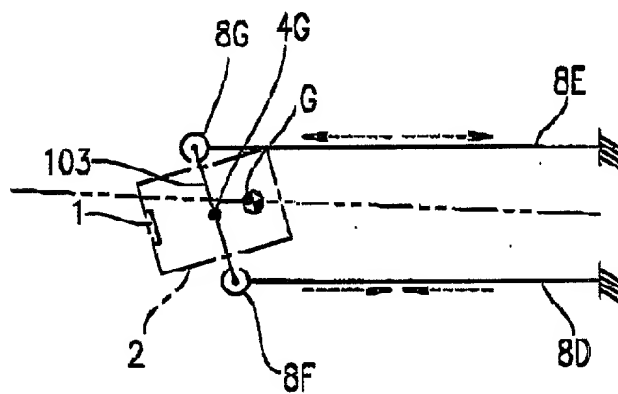


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**FIG. 26A**



**FIG. 26B**



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FIG. 27A

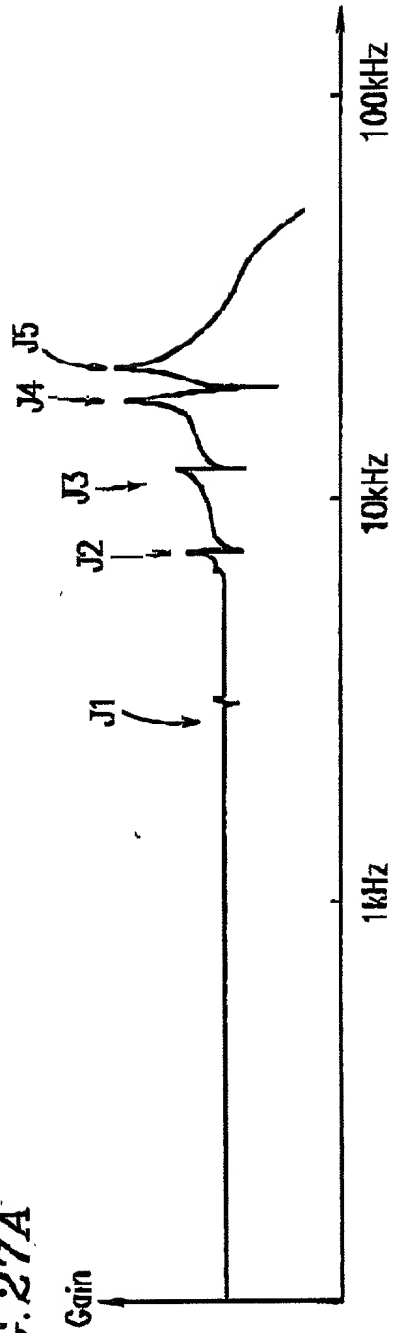
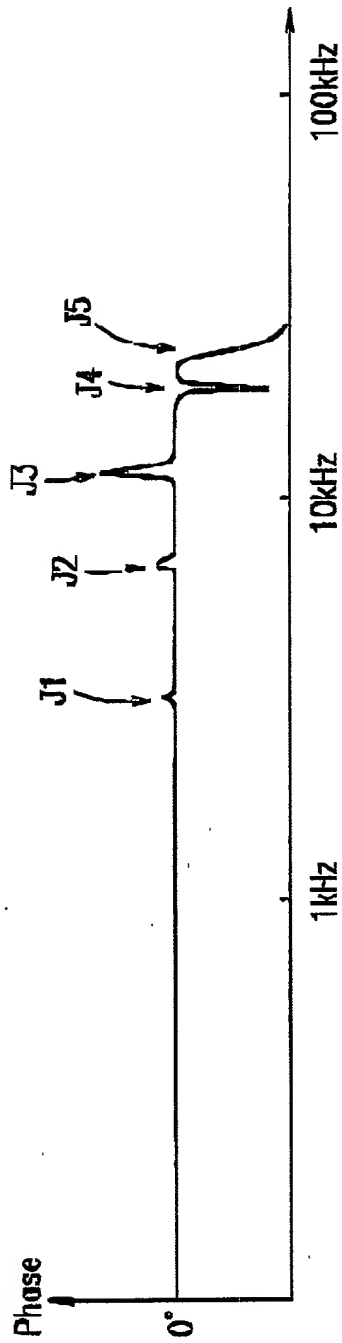


FIG. 27B



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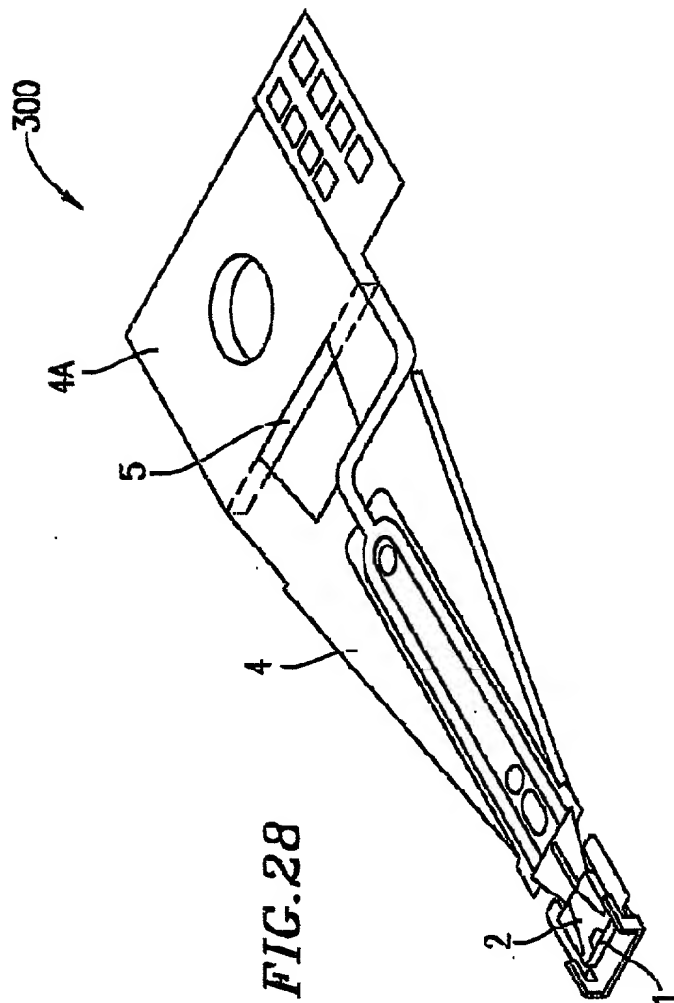
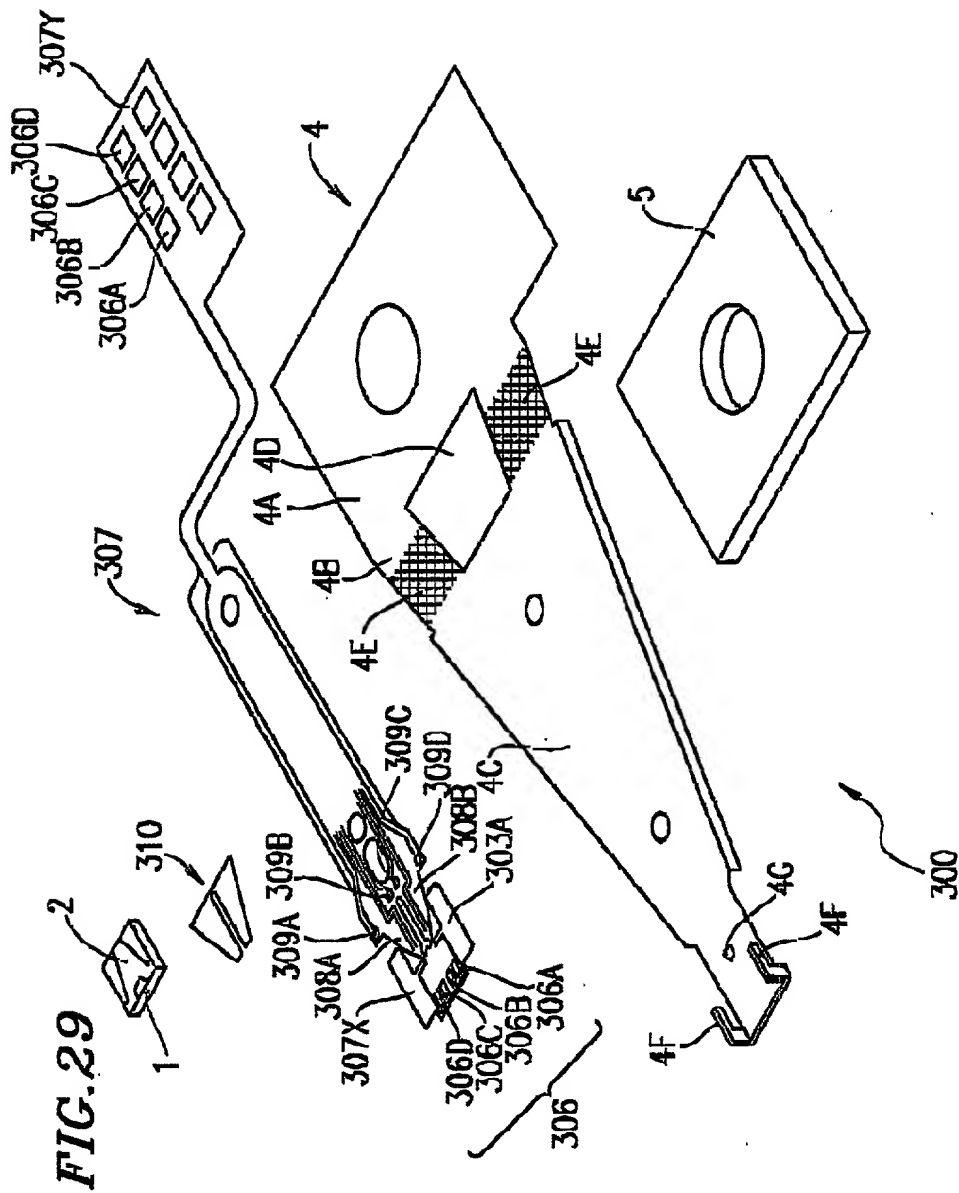


FIG. 28

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FIG. 29



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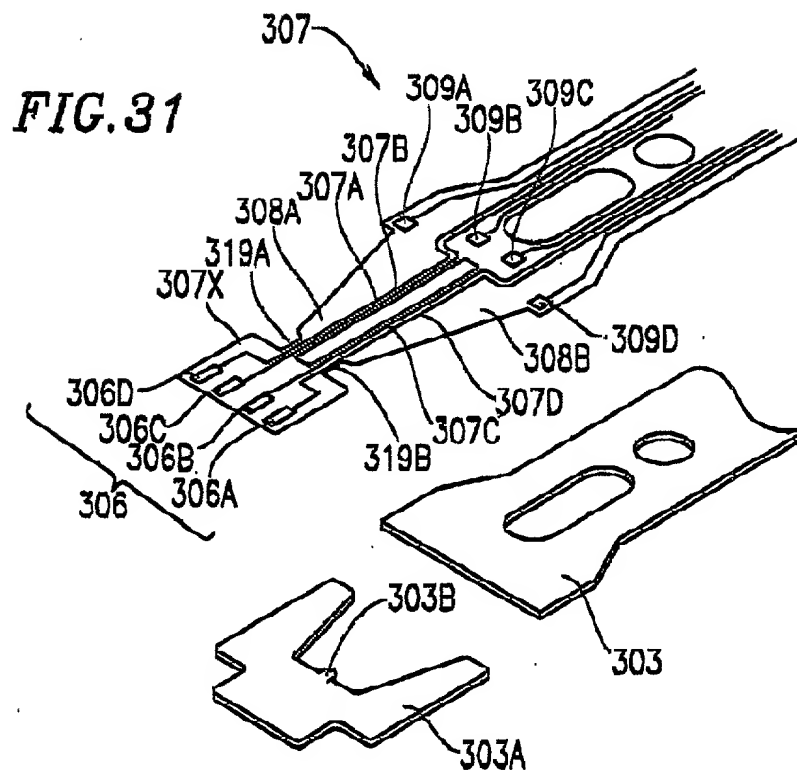
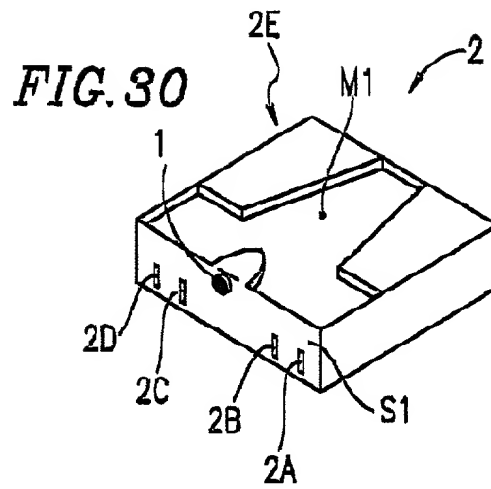


FIG. 30



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**FIG. 34**

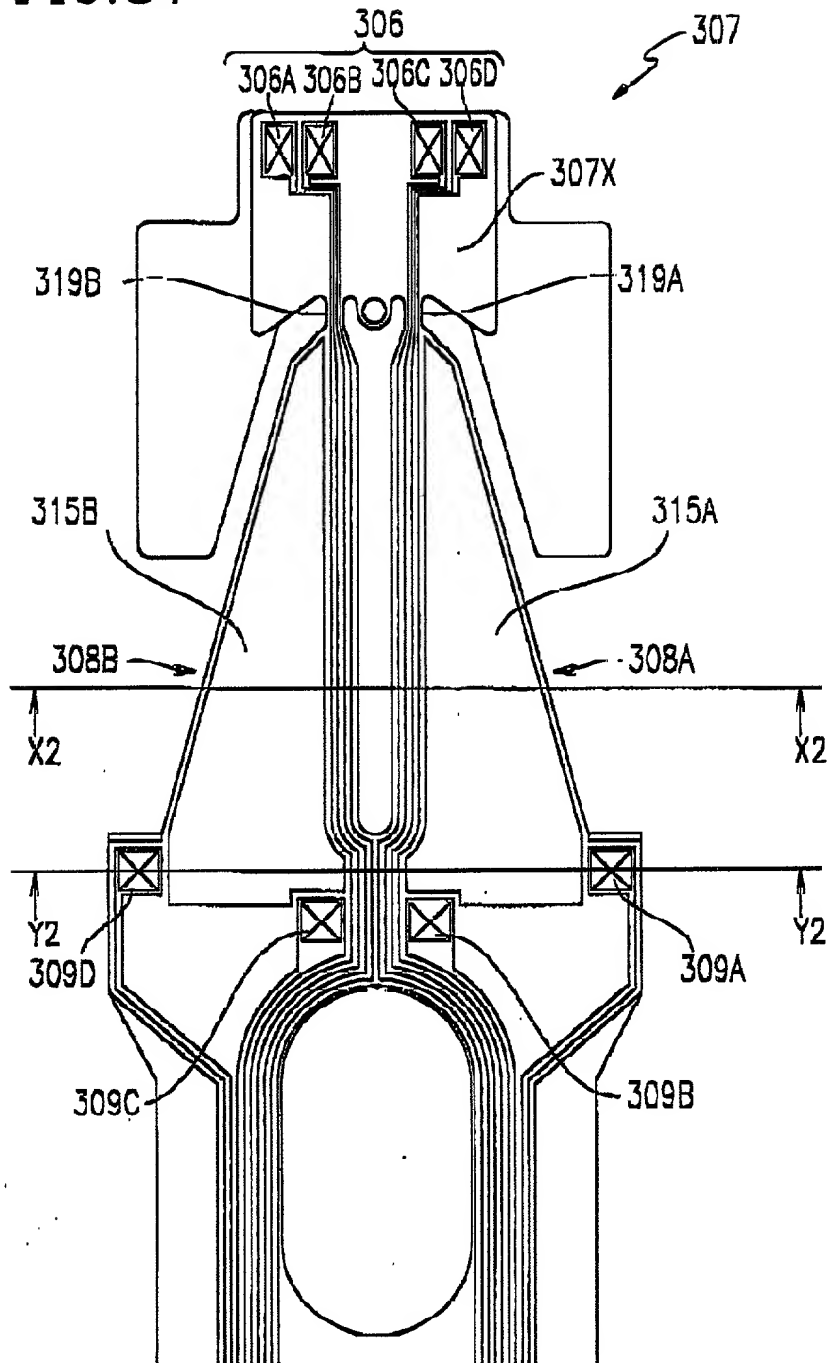
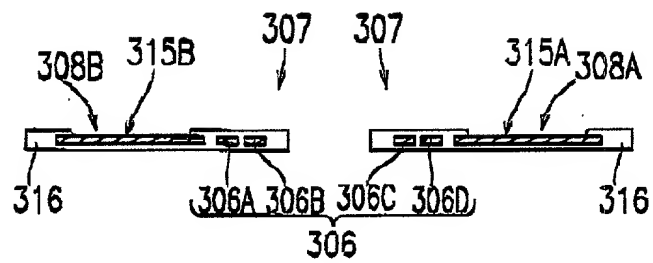


FIG. 34

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**FIG. 35**

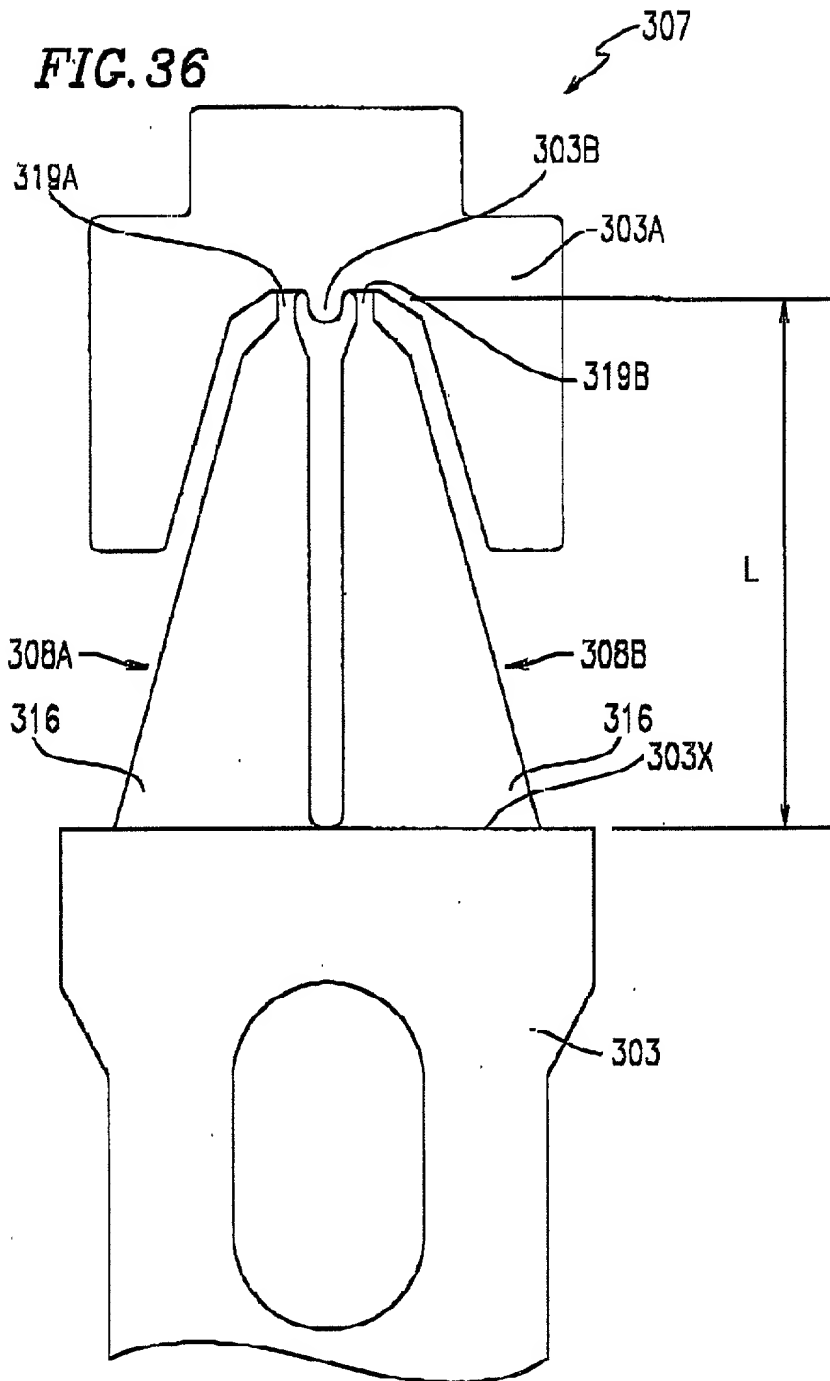


X2-X2 Cross section

FIG. 35

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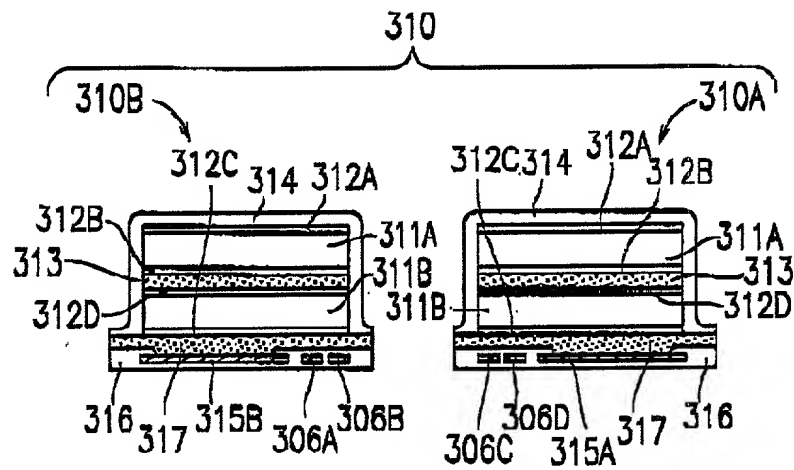
FIG. 36



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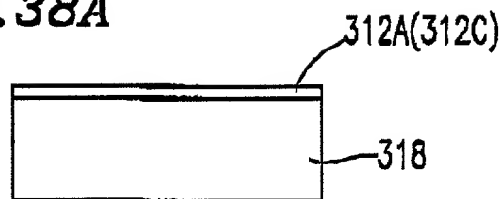
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FIG. 37

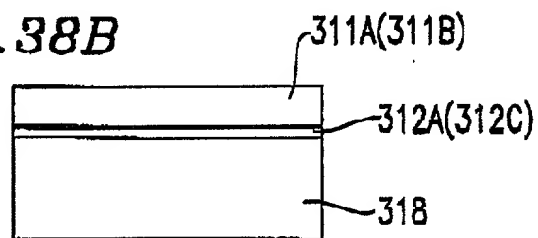


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**FIG. 38A**



**FIG. 38B**



**FIG. 38C**

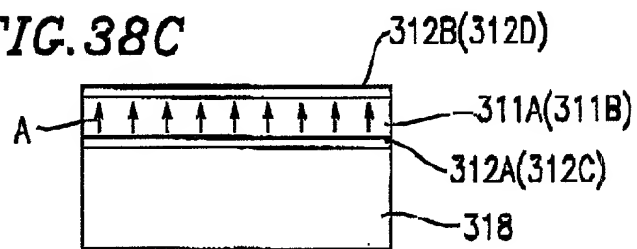


FIG. 38A

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FIG. 39A

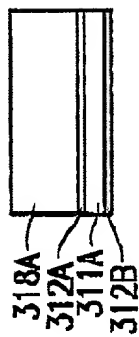


FIG. 39B

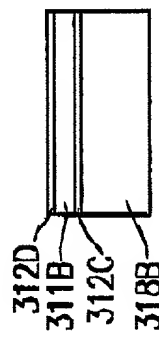


FIG. 39E

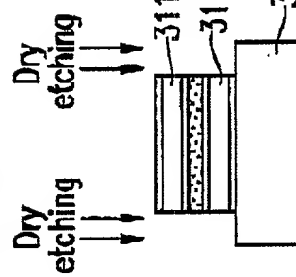


FIG. 39C

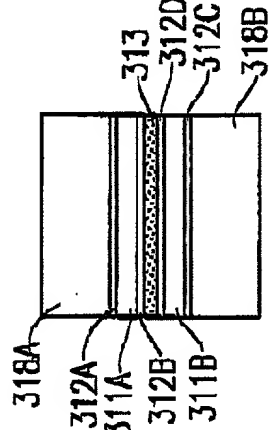


FIG. 39D

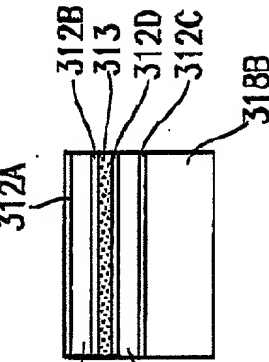


FIG. 39F

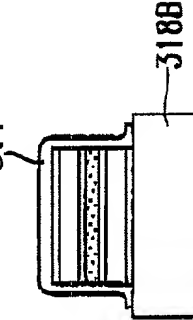
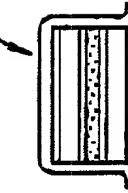
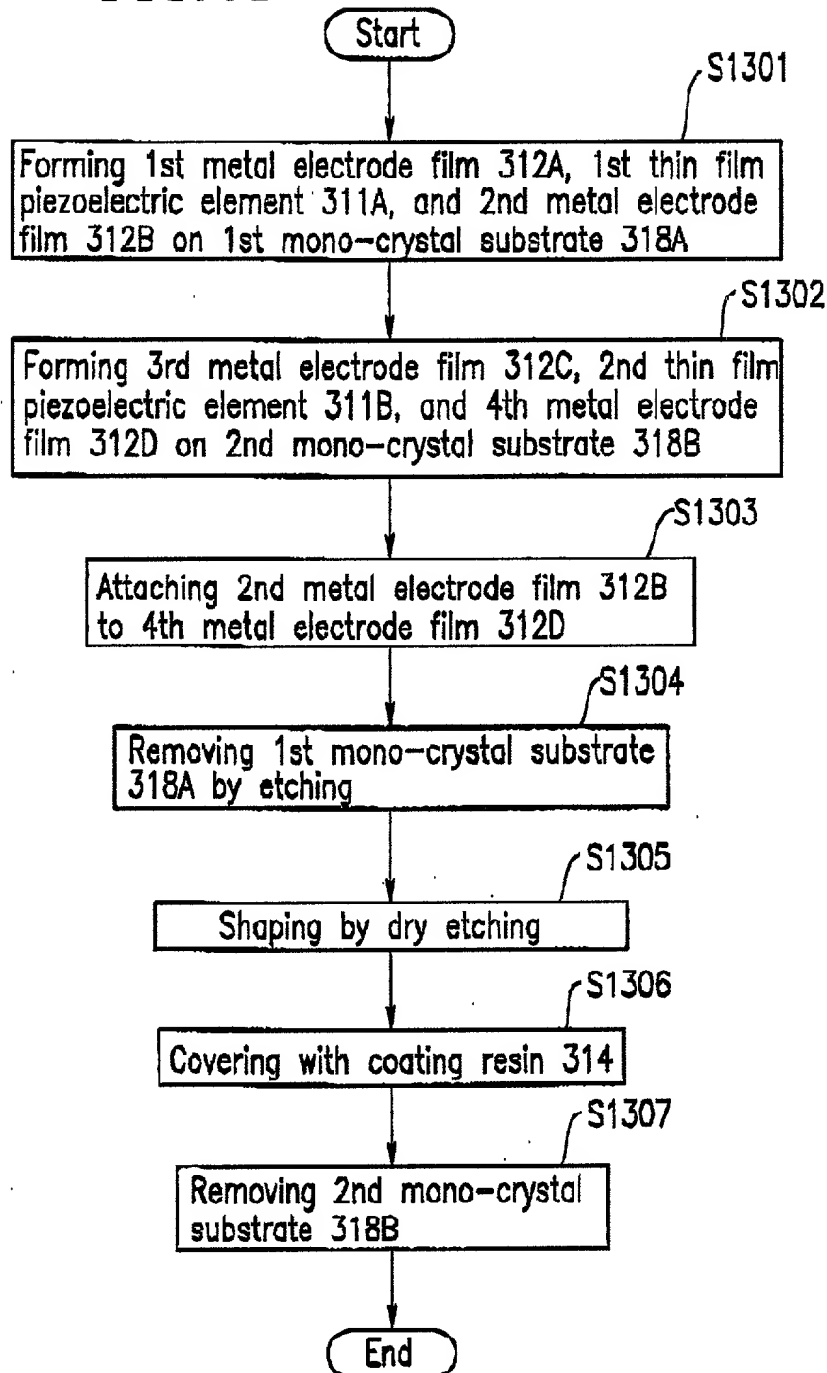


FIG. 39G



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FIG. 40



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FIG. 41

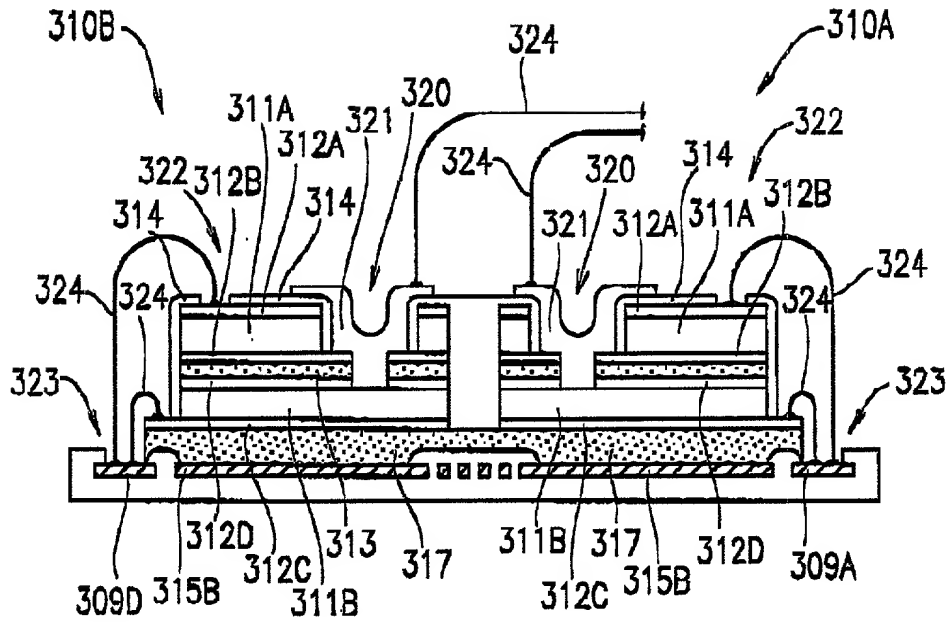
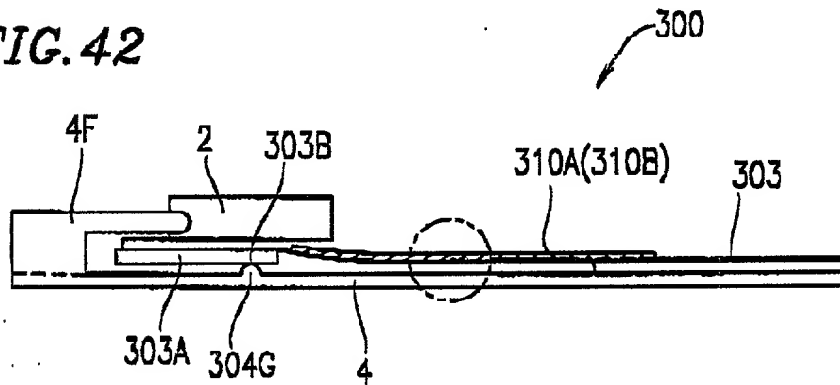
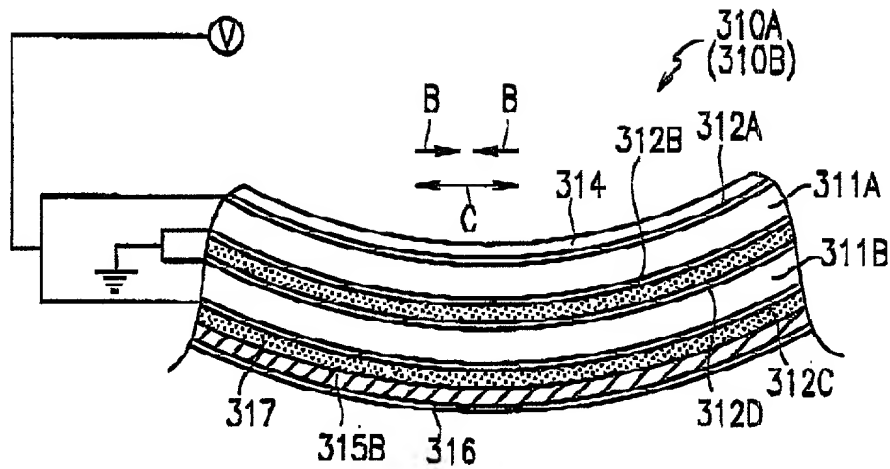


FIG. 42



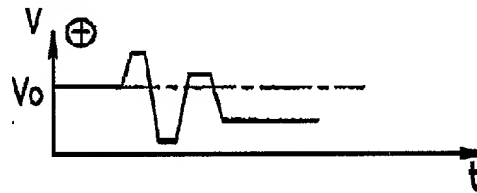
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**FIG. 43A**



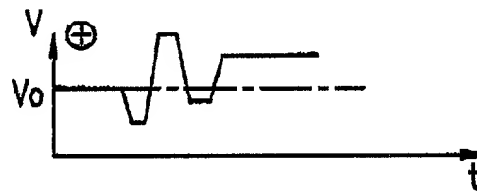
**FIG. 43B**

Voltage applied to  
thin film piezoelectric  
terminal 309A



**FIG. 43C**

Voltage applied to  
thin film piezoelectric  
terminal 309D



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FIG. 44A

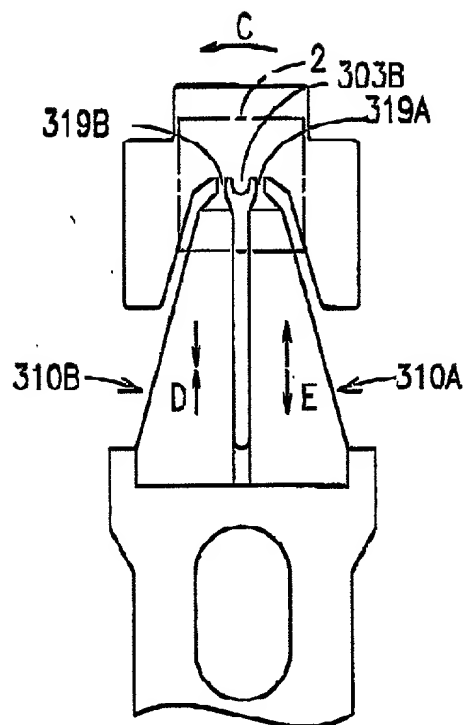


FIG. 44B

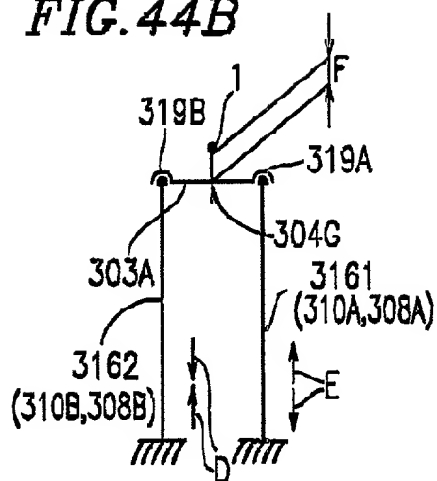
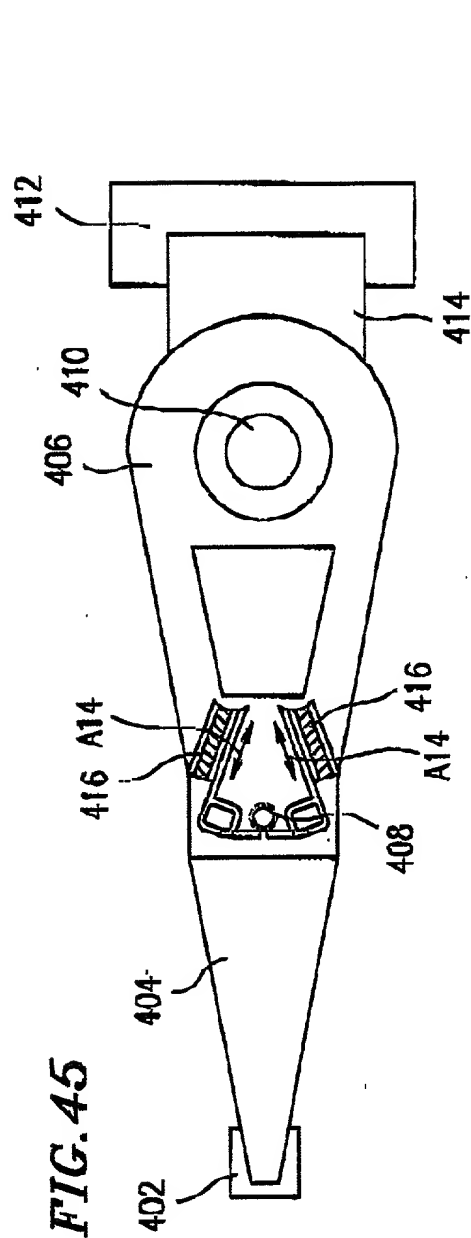


FIG. 44A

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